$$\frac{\mathcal{X}}{\mathcal{A}} = \frac{1}{2} g_{\mu\nu} \dot{x}^{\mu} \dot{x}^{\nu} \dot{x}^{\nu}$$
 onelo $\dot{x}^{\mu} = \frac{dx^{\mu}}{dx}$

$$\frac{2}{3} = \frac{1}{3} \left[-N^2 t^2 + \gamma_{ij} \left[\dot{x}^i \dot{x}^j + \beta^j \dot{x}^i \dot{t} + \beta^j \dot{x}^i \dot{t} + \beta^j \dot{x}^j \dot{x}^j \right]$$

$$=> \mathcal{L} = \frac{1}{2} \left[\left[-N^2 + \frac{1}{2} i \left[\frac{\beta^4 \beta^3}{\beta^3} \right] + \frac{1}{2} + \left[\frac{1}{2} i \left[\frac{\beta^4 \beta^3}{\beta^3} \right] + \frac{1}{2} i \left[\frac{\beta^4 \beta^3}{\beta^3} \right] + \frac{1}{2} i \left[\frac{1}{2} i \left[\frac{\beta^4 \beta^3}{\beta^3} \right] + \frac{1}{2} i \left[\frac{$$

$$= \int \mathcal{X} = \frac{1}{2} \left[-N^2 + \partial_i \partial_j \beta^i \beta^j \right] \frac{1}{2}$$

$$-\frac{\partial \mathcal{H}}{\partial i} = -\left[-N^2 + \partial_{i}g\beta^{i}\beta^{\dagger}\right]\dot{t} - \partial_{i}g\beta^{i}\dot{x}\dot{t}$$

$$= \sum E_G = [N^2 - Jij\beta^i\beta^j] \pm - Jij\beta^i z^j$$
 (2)

$$V^{i} = \frac{1}{N} \left(\frac{\partial x^{i}}{\partial t} + \beta^{i} \right) = S \frac{\partial x^{i}}{\partial t} = NV^{i} - \beta^{i}$$

$$\frac{\partial \chi^{i}}{\partial \lambda} = \frac{\partial \chi^{i}}{\partial t} \frac{\partial t}{\partial \lambda} = \frac{(NV^{i} - \beta^{i})}{N} \frac{E_{I}}{N}$$
, logo

$$= \sum_{i=1}^{n} E_{G} = (N - \beta_{ij} \beta^{i} V f) E_{L}$$
 (3)

$$E_{G} = -p_{M} S^{M} = -g_{M} V p^{M} S^{D}$$

$$= -g_{M} V E_{L} (m^{M} + V^{M}) S^{L} V$$

mana

$$= -(-N + p_{1}V^{2})E_{1}$$

$$= (N - 3ig \beta^{2}V^{3})E_{1} logo$$

$$= G = (N - 3ig \beta^{2}V^{3})E_{1} logo$$

$$= M^{2} p_{1} = -g_{1}v_{1}p^{2}p^{2} = g_{1}v_{1}m^{2}r^{2}r^{2}$$

$$= m^{2} g_{1}v_{1}r^{2}r^{2} = \sum p^{2}p_{1}r = m^{2}S (5)$$

$$p^{2} p_{2} = E(m^{2} + V^{2})(m_{2} + V^{2})(m_{3} + V^{3})$$

$$= [m^{4} m_{3} + m^{2}V_{3} + V^{2} m_{3} + V^{3}V_{3}]E^{2}$$

$$= \sum p^{2}p_{2} = m^{2}S = (V^{2}V_{3} - 1)E^{2}$$

$$= \sum V^{2}V_{3} - 1 + S(m)^{2}$$

$$= \sum V^{2}V_{3} - 1 + S(m)^{2}$$